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15th, She rises under the first of the Water-bearer, and the 4 small stars in the Water-pot, and at 9, she is 88 deg. 59 mins. from Antares.

20th, She may be seen in the triangle at the angles of which are, the three first stars of the Ram, the Pleiades, and Menkar, which with Jupiter and Aldebaran, form a beautiful groupe.

25th, She rises in the morning, being very soon followed by the third of the Twins from which she recedes, directing her course to a point under Mars.

30th, She rises in the morning, at about 7 min. past 6 o'clock, and sets in the evening, at 9 min. past 7.

Mercury is in his superior conjunction, on the 9th in the morning, and of course we can look for him only towards the end of the month in the evening; he will be seen but by few since his greatest duration above the horizon after sun-set, is not above 40 minutes and during that time, he is very near the horizon in the west. The Moon passes him on the 31st.

Venus is an evening star, her motion is direct through about $36\frac{1}{2}$ degrees. On the first we shall distinguish above her the second of the Lion, and to the east of her the five stars in the triangle of the Virgin, to the extreme western of which she is directing her course; towards the end of the month, we may observe her rapid approach to the first of the Virgin. The Moon passes her on the 3d.

Mars is a morning star, and his motion is direct through 20 deg. He rises in the early part of the month, nearly in a line with the two first stars of the Twins, but is then so near the sun, that he will be seen by few. The Moon passes him on the 27th.

Jupiter is on the meridian at 7 in the morning on the first, and at 5 in the morning on the 19th, his motion is direct through $3\frac{1}{2}$ degs. in the space between the Pleiades, the Hyades and Aldebaran. The eastern hemisphere will have a splendid appearance before sunrise, with his appearance and that of Orion. The Moon passes him on the 22d.

Saturn is on the meridian at three quarters of an hour after 7 in the evening, on the first, and at 36 min. past 6, on the 19th. The Moon passes him on the 10th.

Herschell is an evening star, considerably to the west of Saturn, and consequently affording inferior opportunities of observation. The Moon passes him on the 7th.

ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.							
Immersion.				Immersion.											
DAYS.	H.	M.	S.	DAYS	H	M	S	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
1	5	42	17	2	19	18	27	4	5	24	53 Im.				
3	0	10	40	6	8	36	21	4	7	25	51 E.				
4	18	39	7	9	21	55	19	11	9	24	58 Im.				
6	13	7	31	13	11	13	13	11	11	26	9 E.				
8	7	35	57	17	0	32	11	18	13	25	29 Im.				
10	2	4	20	20	13	50	8	18	15	26	53 E.				
11	20	32	46	24	3	9	9	25	17	25	7 Im				
13	15	1	8	27	16	27	7	25	19	26	51 E.				
15	9	29	34	31	5	46	12								
17	3	57	56												
18	22	26	21												

Look to the right hand *

* First Satellite Continued.
 20 16 54 44
 22 11 23 8
 24 5 51 31
 26 0 19 55
 27 18 48 17
 29 13 16 42
 31 7 45 4

TO CORRESPONDENTS.

If Mr. N— will please to send a Description of the Contrivances "for preserving the equilibrium of two wheel carriages, and for retarding their motion in descending hills, mentioned in his letter, it shall be inserted, but it is not consistent with the plan laid down for the department of our work relative to improvements and discoveries in Arts and Manufactures, &c. to publish advertisements of the existence of contrivances, or panegyrics on them, without any description to enable our Readers to judge of their merits or their novelty.

The paper signed E, and the letter from an old Valetudinarian shall be inserted if possible in our next number A. on Spanish affairs is not thought fit for our work.

ERRATUM.

Vol. 4, page 151, column 2d, line 28 from the top, for £210, read £2 10 0.